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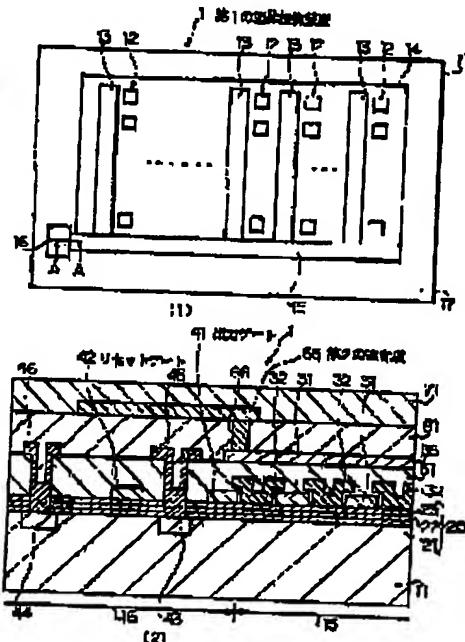
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(54) SOLID-STATE IMAGE PICKUP DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To prevent the shift of V_{th} and to improve reliability in the transfer of charge or reset operation by preventing ultraviolet rays from being made incident on a non-shielded MONOS gate, concerning a solid-state image pickup device having sensitivity in an ultraviolet area.

SOLUTION: Concerning the solid-state image pickup device (first solid-state image pickup device 1) having an MONOS gate structure and having upper layer films (flattened film 51, insulating film 61 and protecting film 71) for transmitting the ultraviolet rays of wavelength ≤ 400 nm, this device is provided with a second light shielding film 65 composed of a metallic light shielding film for covering the area of the MONOS gate structure (output gate 41 and reset gate 42), except for the light receiving part and transfer part of the first solid-state image pickup device 1. Otherwise, this device is provided with an organic film as a second light shielding film for absorbing ultraviolet rays.



LEGAL STATUS

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